

TABLE I

cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:204	Early	LPZ-153	GGTGGCATCCAGGACATGAGGCCGAGTTTGCCATTGTGATATGATTGAGGAAGTC CAGTCTCAAAATTAGGTTTATCTTGATGTTTGACAAGAAATATAGAAGGGCATGATG AATCAAGAACCCTTTTCCAAATCTGTTACTGCAACCAATCCAATGACATAATAACGCC AATGGTTGGTTCCTGTGATGACATAATAAATTGGATTAAATTAATAACATCCCTAATG CCATGTGGTTAGCTGCATCATACCGTATCCATCGAGTGTTCAATTTTGGGATGTA TGATCAAAAAA
SEQ ID NO:205	Early	LPZ-154	AAATATTTTTCAATACAACGCCATGTGACATTTTTGTGCTTCTTGTTTTGATACATA CTTCCAAAAACTGAACACTCGATGGATACGGTGATGATGCAGCTACAGCCATTGCA TTACGATGTTACTAAATTAATCAATTTATTATGTCATCACACGAACCCAAACAATAG CGCTATATGTCATTAGAAATGGTTGCAGTTACAGATCTGGAAACAGATCAATGAATCA TCATGCCCTCTATATCTTGTCAAACATCAAGATAAACCTAATTTTGAGGACTGGA CTTCCTCAACATATCACAATGGCAAACCTCGGCTCATGTCCTGGATCGCAC
SEQ ID NO:206	Middle	LPZ-155	GGTGGCATCCGTATAGGTAGTTTGGATGATGAACGGGCAAGAAGGCAAGGAGT ACAGGATGGATCCTGTAATTCCTGTTTCAGAAAACAGAAAATCTGCAATATAAGGAT GGCTAACTTTTCAGCTATGAAAATATATGGTGCAGTGGCACTCATATCAGTTGCAGA GTTGTGAAATAACTTTTGTGAATAGGAAAGTTTTCCTGTTTGAATGCAGAAATCC TGCAATATAAGATGGCTAAGTTTTTCAGCTATATGAAAATATATGGTGCAGCAGAGT TGCAATATAAACTTGTGAATAGGGAAGTTTGGCAAAAAAAAAAAAAAAAAAGAAAAA AAAA
SEQ ID NO:207	Late	LPZ-157	GGTGGATCCTCGTTGTGAAGACGTAGTGATGGAAGGTCATGTTTGTAGGAGAC ATAATTATAGGAGTTTCTTTATTATAATAACCAAGAAGTCCGATCCTGGGGGCGTTG AGTATATAGTCAGTCTTTGGTAATTTGGTGTGGTGCTGTTTGACCTGCCTTTCCTTT GGAGCAATGATCCTTGAGGATGGAAGAGGTTATGTTGAGGCTCAAGAGATGATTGT TTGAGTTGTGAAAGCAAAAGGTTTCCAGATGTAGTCAGATAGTAACTTCTATGCTT TTAATAAAATTTAGTCTGTGGGGCATGCCCTTTTGTGCTGGCAAAAAAAAAAAGAA AAAAAAAAA
SEQ ID NO:208	Late	LPZ-158	GGTGGCATCCGTATAGGTAGTTTGGATGATGAACGGGCAAGAAGGCAAGGAGT ACAGTGATGGATCCTGTAATTCCTGTTTCAGAAAACAGAAAATCTGCAATATAAGGA TGGCTAAGCTTTTCAGCTATGAAAATATATGGTGCAGTGGCACTCATATCAGTTGCA GAGTTGTGAATATAACTTTTGTGAATAGGAAAGTTTTCCTGTTTGAATGCAGAAA TCCTGCAATATAAGGATGGCTAAGTTTTTCAGCTATATGAAAATATATGGTGCAGCA GAGTTGAAAAAAAAAAAAAAAAAAAAAAAAA
SEQ ID NO:209	Middle	LPZ-162	GGTGGCATCCCAGGAGAATATTAGTTTCATGTGTTGCTATCATTTTCTTCAATATGC AGGGCAACCATTTGAATGAAACTATTCCTTTTCAATTTCAAAAACTTAATAGGCTAA CTTATCTATCTGGAGCCGATTTTCATTGACGAGTAACCTGTAAGCTGGCCAGCAAA AGCCAACAGATGTTGAGCTTGTGGAACAGTTGAAGATTGTAATAGAGATGGTGA ATAATCGCGGACGGCTCGGCCAATGGAATATTTGTTGCATCATCATCAAGGGGGTA TGAATTCAAAGAAGCTTGTGATTGAAATCCCAAGCAAAATCTGTGAAATGAAAA ATTTATTGAGACCATTGGGCAAAAAAAAAAAAAAAAAA
SEQ ID NO:210	All	LPZ-165	GGTGGCATCCGACTGTGATATGTGACTGGTGAACGAGAGATCCTTCTTATGAATTA ATCTGGTATCTTTATGCGAAAGCTTCTAGGGTTGCTACATGCTTCCATTCTAATATC AGTCTCTGTGATATCAGAGGCCTTCAAATATTGAACAGTTTCTTTAGAATTCAAA CTGGGAATTTTATTGTATAGCCATGTTTTCACGGATTGTCTGCAAGAAGGCTCTT GGCAAAAAAAAAA
SEQ ID NO:211	M,L	LPZ-166	TTTTTTATTTTTTTTTTTTCCAACGAGATCACTGTCATTGTTCAATAACTATATGCCA AAGAGCCTTCTTGACAGCAATCCGTGAAAACATGGCTATACAATAAAATCCCAGT TTGGAATTTCTAAAGAAAACGTTCATATTTGAAGGCCTCTGATATCCCAGAGACTG ATATTAGAATGGAATTCATACAAATGAGGAGAGCATGTAGCAACACTAGAAGCTTT GGCATAAAGACACCAGATAAATTCATAAGAACTAAATCCATAAGAAGGATCTCTCGT TCACCAGTCACATATCATACTCGGATCGCACC

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:212	Middle	LPZ-167	GGTGCGATCCGACTGTGATATGTGGCTGGTGAACGAGAGATCCTTCTTATGAATTA ATCTGGTATCTTTATGCGAAAGCTTTTAGGGTTGCTACATGCTCTCCTCTTTTGTAT GAATTTCCATTCTAATATCAGTCTCTGTGATATCAGAGGCCCTCAAATATTGAACAG TTTTATTTAGAATTCCAACTGGGAATTTATTGTATAGCAATGTTTTACGGATTGTC TGCAAGAAGGCTCTTTGGAAAAAAAAAATAAAAAAAAAAAAA
SEQ ID NO 213	Middle	LPZ-169	TCCCAAAGGCAATTATACATGGATCGCACC
SEQ ID NO 214	All	LPZ-170	GGTGCGATCCCCACTGCAGAAAGATGAGCCAGTACCCTGAAATTTTGTGTTGTCC ATGCCTGGGTACGAGGAGAAAGAACGGCACGGTGAATATGATTTTGCTACATACA AGTTCCAAGAGTGGATGCAGACAGTGTGGCCATGGCTGATTATTTGCAGGTGACT AATGCTCTTTTGGTTATCCTTACCATCATCATCTTCCTGCCATTCTTTTGTACCTCGG TATGGAGACGAACACCCACTTTTCAAAGTTTGCAGAGGAAGCATGTATTCATAACA GGAGGATCAAGCGGCATTGGCCTTGAGATTGCCAAAGAGGCTCTTTCACAGGGTT CTTACGTGACACTGGCGTCAAGAAATCTTCTAAACTTCGTAGGGCTGTTGAAGAA ATCATCCAAGAAGTGGAGTGCAGCGGAGACAAGATTAATATCAAGGTAATATACCC TGCAAAATGTTGTCTGGAATACAATCCAAAACCAATTTAGCAATTAACCCATTGGCA AAAAAAAAAAAA
SEQ ID NO:215	All	LPZ-171	GGTGCGATCCAAGTGCGGTATTCTTCCTTTGGCAGTTCTCTGAACTGTTGAGAGAA TTTGAGTAGGATAACGACAATAATTACTATGCTCACAAGCCAGACAACACGAATAG ACTCCCTTCCGTGCGTGCCTTCCAGAGGACGCAGCAGCTAAAATCTCGGCCTGA CTCACCACATATATATTTAATAGCTTGTATATGCCATATGAACTGTTAGCATGATCTC CCTCTAACTGCGAATTGTGTTGCTGTAACTAATCCCAAAGGATGTTTACTCTGTTG CTTTTCCAAGTCTGATGGATTTCGCTCATACAATGACCCGAGAGCACCATAAACCT ACCCAGCGTTGTGGCCTATGACCCATAGCTTTTTGTTGCGACAGCAATTGAAGACC GGCTACAGGAGATGACTAATGCACCTCCGAGAAGGTTTCACCGCGAATGACAGGG AAGGACAAGGCAGAGCAGCAGGCCAAGACAGCTTTAGTCGCAGAAGTTCAAGCAG ATCTAGATTATAGTAAATGGAAGTTCTACACTAGTTACAAATTTAAAAACGTACCTG CATGGACTACACGGTTTATTTACGAGTGCCACTTGTCTCATTGTTTTCCATCAGATG TCTGCTGGATTGTGAGTGTGTTCTACCGTATCGGTGCGGGTTTTGTATATTGTG CGTCGACAGAGTGACAGGTGGTGATTTTACTGGCAAAAAAAAAAACAAAAAAAAA A
SEQ ID NO:216	Late	LPZ-172	GGTGCGATCCTAGTACAGGCGTTTGGAAACAGAGTGAGAAATATGTGGAGTATTGG GGGATGCCCCCGGTGCTGTGTTGCTGCGTTTGGGAATTTGTATTTCTTCCATAGGC AACAAGTGATGTCTTATAATAGTAAAGAGAATGTTTGGGAAGTGGTGGCATCTCTTC CTGGAGACATGAATATTGTTACTTTGCGCAACAGTGTGGTGTGACAAGATATTTGT GAGCGGTTGTGCTTGCAAGTGGCGGCGATCAGGTGTGTTACATGCTGGACAAATCT TGGGCGTGGGCTCCTATTGAGAGGTCACATGAGTTGAGGGTTTTGCTCAGTCTG CAATAACTGTAGAGATATGAGCAAATCTGTTGGGTTCACTTAATTTTGGGATTATT ATAGTGCAGAGGGGAGCCGGAAGTTTCAGTGATACAGTGATGGGCACCACATGTT GCCAGCATTGGGGGTGCCCTGTGAATATGATTTCTATAAGTCCGGATTTTAAATATC TAGGCCATCTATCTCATCCAGCCTCTGATTGTGCTGTACTAAATATATCCTGTATA TTCGTGATCCCTGGTTTTGAAGTGAGCAAGTTTTAGTGAAGAGGATTTTTATTAA TATATATAAAGTTTCTGTATTACAGGTTTTGGCAAAAAAAAAAAAA
SEQ ID NO:217	Middle	LPZ-173	GGTGCAATCCGCCATAAGAGAGGCATACAGGAAAAAGAAGTACCTGCCTCTTGATT TGCGTCCCCAAGAAGACTCGTGCTATCAGGTGACGCCTTACCAAGCATCAGGCATCA TTGAAGACTGAGAGACAGAAAAAGAAAGAGATGATTTTCCAATGAGAAAGTATGC AGTCAAGGTGTAAGCCATAGGATTTGAGCTTTCATGCAATTTTTTGTACTTGCG GGATGATATTGCCTATTATATTTCCGTCCACGTTTTTGGCAAAATCCGATTTGCATC AGAATTCAGTTATGATAGGTGTTCTTTCGCTTTTGAGCAGTTGATATTGTTTATCTT TATTTCTCTGAATTGCGAACATATTCTAATGCAATGAGTGGATTATTATATTGTGGC AAAAAAAAAAAAAAAAAAAAAAAAAAAA

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:218	Middle	LPZ-174	GCGGACGCCTCAGGATAGCGTTAGGGTTGCCTTAGGATAGCGTTAGCTCTGCCTT CTAAGGTTGCCGTCTTATCCTCCAGCGTCTAGGGCTTCCACTCCTAGGATTTCTCT TCCACTAAAACCCAAGACAAGTGGAGAGAAATCAAGATAGAAGTGTGTGAAATG ACTCTTAAGTCATCTCCTTTTACTAAAACATTGAGCACATGTGGGGTTTATTGG TTGCTGGCCGTCGT
SEQ ID NO:219	Middle	LPZ-175	GGTGCGATCCTGAAACAACATATTCGGATGGCTCTTCCGAAGGAACCATGCTCT ACTGTGTGGCCCTCCCCCATGATCCAAGATGCCTGCCTACCTAACCTGGCCAAAA TGAATTATGACATTCAGAATTCGTGTTTTTCAGTTCTAATTACACCTTCTGGTTAATC AAATTGGGACATCCCCTCCCACATCCTGTTATTAATTAAGCCATAGTCTAGTGTATA AAATCTGTTGATGTGTACAGCATCAAGTTAATTTCTCCTTTTCTGTCAAAAAAAAAA AAAAATAAAAAAAAAA
SEQ ID NO:220	Late	LPZ-177	GGTGCGATCCGATCCTAAGCGGGTGCATATATATAATGACAAGCTGTAGTAACTAA CTCTTGTGATGAGGCCATTGCTAACATAGCCTGTCCAATGCACATAGCAGTCAAAA AAAGCAAATAGCCGCCATGTTCCCATACACGAAGTAAGTACCCTCCCTATTGAGTC ACCTTACCCGCCGAGAGAGATCCCAATTCATGTATTGCGTTAAGTAAGCCCTGCC AGCTATGTCCACCCATGAAAGAAAGTACTGATCCGAGTGGATCGCACC
SEQ ID NO:221	Late	LPZ-179	GGTGCGATCCAACTGTGGTTATCGGTGGAGAGATTAAGCAATTTATTGGAGTAGC AAGTACGCTGAATTAAGGGGGTCCATATTCAAGCAAAGGTTCTTTGGATGACTAT GTGTTCTGGAAGTGTATGATCAATCATCTCATAAATTTGGTAATATATAACAGA AGATTATGGCATCCAGTTAGGATGGTAGTTTCATTGAGGTATAGTAAAACTACACT AAGTCTTGTGTTGCCACCCACTTTTGAGAGAGGTGAGGAGGTCTCTTTGTGAATCA TTGATAACTTTATGAGTGGTACCTAATGAAATATTTGCATCTTGAATATATACTCAAT TGATCTTACTTGTGGATCGCACC
SEQ ID NO:222	Late	LPZ-181	CAATCTGTCTGCAATTGATATTATTGCATCCAGTAAACCAGATACACATTCACCACA ACATTAGAGACTCTAGAAGTTCCTTTGGCGACAGGCAAACTCATGATTACAGATAA TTGGAGTTTCTCTAACCAGAGTCAAACGATCTAAAGGGATTGTCTAGTCTCCAT TCCCTCATTCAATGAGGCGATGGCTTATGCCGTGACAACAGTTTCTATAGTTGCAT CCGCTCCTCTTGATCCCAACATTTTGGTGTCTCTGCATCTTCTCTCCCTCCATA TCTCTGGCAGGGCTTCTCTAATGTTGTGAATACTTGCAAGGGCAAACTCTGCTCCC TCTGTTCCGATCGCACC
SEQ ID NO:223	Late	LPZ-182	GGTGCGATCCTCTCAGTTACGAGCTCAATTTGACCAGGGGTCTCGGCAAAATTGA GGATCATGAGAAGCAGGGTATGCCCTTGAATGCCCTGAAGCCAGGGGAGTCTCAG GGCAATCACGAATGAAACCTGACAAACCCTAAGAAAACCCCTAGAGCGTGCCTGCG AGAAAGGGAATTCTTTTGGAGCCGGCGGTCTTCTGTCGTCTTCTCGCAGCCGTA
SEQ ID NO:224	Late	LPZ-186	GGTGCGATCCAGCAAGAGAACGAAAAAGGTATGAGAATCTATGAAATATTTGTACA TCACTGTATTATATGAGGGCCTTTTTTACAATGCGGTAGGGTTGTTTGGAGAATT AGAACCTGATTAATAATGTAGATGGATTCAAGCTTTTGTGAAATGAGGCTCGGAAC GCAAGTATGCTGTCCACTTTGAGACTCATTCTTCTATAGTATCTGAAGCCAAAGCC
SEQ ID NO:225	Middle	LPZ-189	GGTGCGATCCCATGGGATAGTTGCAAAACACACAAATTTGTTGTGAAAGAAGAGAG ACACGCACAGACAACCATATGATCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTCAAACTCTGCTGCACCATATATTTTATATAGCTGAAAACTTAGCCAT CCTTATATTGCAGGATTTCCGCATTCTAAAACAGGAAAACCTTCTATTACAAAAAG TTATATTCAAACTCTGCAACTGATATGAGTGCCACTGCACCATATATTTTATAGC TGAAAAGCTTAGCCAGCCTTATATTGCAGATTTTCTGTTTTCTGAAACAGGAATTAC AGGATCCATCACTGTACTCCTTTGCCTTCTTGCCTTCTCATCATCCAACTACTAT ACGGATCGCACCA

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